

Title (en)
Compression ignition type engine

Title (de)
Brennkraftmaschine mit Kompressionszündung

Title (fr)
Moteur à allumage par compression

Publication
EP 1219808 A2 20020703 (EN)

Application
EP 01130934 A 20011227

Priority
JP 2000402262 A 20001228

Abstract (en)
There is provided a compression ignition type engine comprising an exhaust gas purification catalyst, and an electric motor for generating an output separated from the engine output. The engine may selectively perform a first control to make the engine output an output larger than that determined on the basis of the engine operation state, and a second control to operate the engine under the first combustion mode in which the inert gas amount in the chamber is larger than that in which the soot generation amount is peak. <IMAGE>

IPC 1-7
F02D 41/30; **F02D 41/02**; **B60K 41/00**

IPC 8 full level
F02D 41/00 (2006.01); **F02M 25/07** (2006.01); **B60K 6/20** (2007.10); **B60W 10/06** (2006.01); **B60W 10/08** (2006.01); **B60W 10/26** (2006.01); **B60W 20/00** (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F01N 3/24** (2006.01); **F01N 3/28** (2006.01); **F02D 21/08** (2006.01); **F02D 29/02** (2006.01); **F02D 41/02** (2006.01); **F02D 41/04** (2006.01); **F02D 41/06** (2006.01); **F02D 41/30** (2006.01); **F02D 43/00** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR US)
B60K 6/485 (2013.01 - EP US); **B60W 10/06** (2013.01 - EP US); **B60W 10/08** (2013.01 - EP US); **B60W 10/26** (2013.01 - US); **B60W 20/00** (2013.01 - EP); **B60W 20/15** (2016.01 - US); **F02D 41/024** (2013.01 - EP US); **F02D 41/3035** (2013.01 - EP US); **F02D 43/00** (2013.01 - KR); **B60L 2240/445** (2013.01 - EP US); **B60W 2510/0619** (2013.01 - EP US); **B60W 2510/0666** (2013.01 - US); **B60W 2510/068** (2013.01 - EP US); **B60W 2510/244** (2013.01 - US); **F02B 3/06** (2013.01 - EP US); **F02D 41/0057** (2013.01 - EP US); **F02D 41/1446** (2013.01 - EP US); **F02D 41/187** (2013.01 - EP US); **F02D 41/3076** (2013.01 - EP US); **F02D 2041/0022** (2013.01 - EP US); **F02D 2041/026** (2013.01 - EP US); **F02D 2041/389** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US); **Y10S 903/903** (2013.01 - EP US)

Citation (applicant)
JP H05328528 A 19931210 - TOYOTA MOTOR CORP

Cited by
EP1533496A1; CN101680366A; FR2846999A1; FR2994408A1; US8555615B2; WO2005012022A1; WO2008149209A1; WO2008100284A3; WO2008042047A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1219808 A2 20020703; **EP 1219808 A3 20031105**; **EP 1219808 B1 20060809**; DE 60122102 D1 20060921; DE 60122102 T2 20071004; JP 2002201981 A 20020719; JP 3292198 B1 20020617; KR 100457842 B1 20041118; KR 20020055399 A 20020708; US 2002083701 A1 20020704; US 6516609 B2 20030211

DOCDB simple family (application)
EP 01130934 A 20011227; DE 60122102 T 20011227; JP 2000402262 A 20001228; KR 20010085723 A 20011227; US 2223401 A 20011220